

WHAT IS CLAIMED IS:

1. A device for measuring a weight of a seat, including the weight of an occupant sitting on the seat, the device comprising:
 - a resilient member supported by at least one support point;
 - a load sensor supported by a sensor support and in communication with the resilient member and positioned to receive the weight of the seat;
 - wherein the device is configured so that the weight of the seat is applied between the at least one support point and the sensor point.
2. The device of claim 1, wherein the resilient member is single acting part.
3. The device of claim 1, wherein the resilient member has two acting parts.
4. The device of claim 1 further comprising a pin bracket in communication with the seat and the resilient member.
5. The device of claim 4, wherein the pin bracket of the present invention is rotatably supported by a base pin.
6. The device of claim 5, wherein the pin bracket transmits the seat weight to the bracket pin.
7. A device for measuring seat weight including the weight of an occupant sitting on the seat, the device comprising:
 - a base having two side plates;
 - an arm rotatably supported by and interdisposed between the side plates of the base via a base pin;
 - a pin bracket in communication with the arm via a bracket pin and further in communication with the seat;

a load sensor in communication with the arm; and wherein the pin bracket is located between the base pin and the load sensor.

8 The device of claim 7, wherein the arm comprises a single acting part.

9 The device of claim 7, wherein the arm comprises two acting parts.

10 The device of claim 7, wherein the pin bracket of the present invention is rotatably supported by the base pin.

11. The device of claim 10, wherein the pin bracket transmits the seat weight to the bracket pin.

12. The device of claim 7, wherein the arm comprises two arm sideplates.

13. The device of claim 12 further comprising a spring leaf interdisposed between the two arm side plates